

LISTING OF THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in the application.

Claims 1-9 (Canceled)

1 10. (currently amended) Software embodied in one or more computer readable-
2 media when executed operable to:

3 display, within a Web page on a client computer coupled to a network environment, a
4 plurality of two-dimensional image maps secondary spatial images being representations
5 components of an original multi-dimensional image having more than two dimensions, with
6 locations in the two-dimensional image maps secondary spatial images specified by values of first
7 and second coordinates which specify locations in said representations components of the original
8 multi-dimensional image;

9 select a particular location on [[a]] one of said two-dimensional secondary spatial
10 image maps having particular values of the first and second coordinates, where selecting the
11 particular location on the two-dimensional spatial image image map determines a multi-dimensional
12 coordinate, including coordinate including at least three coordinate values, a third coordinate value
13 which, together with the first and second coordinates, indicates an indicated indicates a specific
14 location in the original multi-dimensional image;

15 initiate access to a correlated location in a secondary image map, where the secondary
16 map is a data structure which holds a plurality of multi-bit object indices at locations in the
17 secondary map, with the correlated location homologous to the indicated said specific location, to
18 retrieve a retrieved specific object index for the indicated said specific location after the said
19 particular location of the two-dimensional secondary spatial image map displayed on the client
20 computer is selected; and

21 cause a server computer coupled to the network environment to utilize the retrieved
22 said specific object index for the indicated said specific location to access a program action
23 associated with said specific the indicated location.

24

1 11. (canceled)

2

1 12. (currently amended) The software of claim 10 where the multi-dimensional
2 image is a three-dimensional volume image and the two-dimensional ~~secondary spatial image map~~ is
3 a planar slice of the three-dimensional volume image.

4
1 13. (currently amended) The software of claim 10 where the multi-dimensional
2 image is a video clip and the two-dimensional ~~secondary spatial image map~~ is a frame of the video
3 clip.

4
1 14-15. (Canceled)

2
1 16. (currently amended) Software embodied in one or more computer readable
2 media when executed operable to:

3 utilize, on a server computer coupled to ~~a~~ ~~the~~ network environment, a ~~retrieved~~
4 specific object index for ~~an indicated~~ a specific location to access a program action associated with
5 the ~~indicated~~ said specific location;

6 wherein said object index is obtained by the execution of code, on a client computer
7 coupled to the network environment, to display, within a Web page, a plurality of two-dimensional
8 ~~secondary spatial images~~ image maps being representations components of an original multi-
9 dimensional image having more than two dimensions, with locations in the two-dimensional
10 ~~secondary spatial images~~ image maps specified by values of first and second coordinates which
11 specify locations in representations components of ~~an~~ ~~the~~ original multi-dimensional image;

12 wherein said display is to allow a user to select a particular location on [[a]] one of
13 said two-dimensional ~~secondary spatial image maps~~ having particular values of the first and second
14 coordinates, where selecting the particular location on the two-dimensional ~~spatial image map~~
15 determines a multi-dimensional coordinate, including at least three coordinate values which indicate
16 said specific a third coordinate value which, together with the first and second coordinates, indicates
17 said indicated location in the original multi-dimensional image; and

18 wherein said selecting further initiates access to a correlated location in a secondary
19 image map, where the secondary map is a data structure which holds a plurality of multi-bit object
20 indices at locations in the secondary map, with the correlated location homologous to said specific
21 the indicated location, to retrieve said specific retrieved object index for said specific the indicated
22 location after said particular the location of the two-dimensional secondary spatial image map
23 displayed on the client computer is selected.

24

1 17. (previously presented) The software of claim 16 wherein said selecting occurs
2 on said client computer.

3

1 18. (currently amended) The software of Claim 16 wherein said secondary image
2 map is located on said client computer.

3

1 19. (currently amended) A method of serving digital information, the method
2 comprising:

3 receiving a request for a distributed hypermedia document at a network server; server,
4 transmitting the distributed hypermedia document from the network server to a
5 distributed hypermedia browser in response to receiving the request, the distributed hypermedia
6 document including an HTML tag to cause the display, within a Web page on a client computer
7 coupled to a network environment, of a plurality of two-dimensional secondary spatial images image
8 maps being representations components of an original multi-dimensional image having more than
9 two dimensions, with locations in the two-dimensional secondary spatial images image maps
10 specified by values of first and second coordinates which specify locations in said representations
11 components of an original multi-dimensional image, wherein said display is to allow a user to select
12 a particular location on [[a]] one of said two-dimensional secondary spatial image maps having
13 particular values of the first and second coordinates, where selecting the particular location on the
14 two-dimensional spatial image map determines a multi-dimensional coordinate, including at least
15 three coordinate values which indicate a specific a third coordinate value which, together with first
16 and second coordinates, indicates an indicated location in the original multi-dimensional image,
17 wherein said selecting further initiates access to a correlated location in a secondary image map,
18 where the secondary map is a data structure which holds a plurality of multi-bit object indices at
19 locations in the secondary map, with the correlated location homologous to said specific the
20 indicated location to retrieve a specific retrieved object index for said specific the indicated location
21 after the said particular location of the said two-dimensional secondary spatial image map displayed
22 on the client computer is selected, and wherein said selecting further causes a server computer
23 coupled to the network environment to utilize said specific the retrieved object index for said
24 particular the indicated location to access a program action associated with said particular the
25 indicated location.

26

1 20. (previously presented) The method of claim 19 wherein said selecting occurs on
2 said client computer.

3

1 21. (currently amended) The method of Claim 19 wherein said secondary ~~image~~
2 map is located on said client computer.

3

1 22. (new) A method for accessing program actions associated with locations in
2 video frames viewed on a computer system, the method comprising the steps of:

3 displaying, within a Web page on a client computer coupled to a network
4 environment, a plurality of two-dimensional video frames, being representations of a multi-
5 dimensional video file, on a computer screen, with locations in the two-dimensional video frames
6 specified by values of first and second coordinates which are x and y coordinates specifying
7 locations in a single video frame of the video file;

8 selecting a particular location on one of said two-dimensional video frames having
9 particular values of the first and second coordinates, where selecting the particular location on the
10 two-dimensional video frame determines a multi-dimensional coordinate, including three coordinate
11 values, which indicates the location of a specific location in the multi-dimensional video file, where
12 first and second coordinates values are values of said x and y coordinates and a third coordinate
13 value specifies a time dimension of the video file;

14 initiating access to a correlated location in a secondary map, where the secondary
15 map is a data structure which holds a plurality of multi-bit object indices at locations in the
16 secondary map, with the correlated location homologous to said specific location, to retrieve a
17 specific object index for said specific location after said particular location of the two-dimensional
18 video frame displayed on the client computer is selected; and

19 causing a sever computer coupled to the network environment to utilize said specific
20 object index for said specific location to access a program action associated with said specific
21 location.

22